

What is claimed is:

1. A recording medium including recorded data, comprising:

a control data area including pits formed along tracks, with data recorded therein, wherein pits formed in some portions of the tracks are shifted from a track center to left and/or right to thereby form intermittent or alternate wobbled pits and wherein pits formed in other portions of the tracks of the control data area are substantially along the track center to thereby form straight pits.

2. A method of forming a recording medium, comprising:

forming pits in a control data area along tracks, with data recorded therein, wherein pits formed in some portions of the tracks are shifted from a track center to left and/or right to thereby form intermittent or alternate wobbled pits and wherein pits formed in other portions of the tracks of the control data area are substantially along the track center to thereby form straight pits.

3. A method of reproducing data from a recording medium, comprising:

detecting information recorded in pits formed along tracks in a control data area, wherein pits formed in some portions of the tracks are shifted from a track center to left and/or right to thereby form intermittent or alternate wobbled pits and wherein pits formed in other portions of the tracks of the control data area are substantially along the track center to thereby form straight pits.

4. A method of reproducing according to claim 3, further comprising:

reproducing data recorded with modulation in the straight pits formed along the tracks of the recording medium using the detected information.

5. A method of reproducing according to claim 4, further comprising:

reproducing the data recorded on the recording medium using the reproduced data; and

outputting the data recorded on the recording medium.

6. A method of reproducing according to claim 3, wherein said detecting detects the information recorded in pits from a difference signal between a right and a left electric signals, generated by a beam reflected from the pits formed along the tracks.

7. A method of reproducing according to claim 6, wherein said reproducing detects data recorded with modulation from a high-frequency electric signal generated by a beam reflected from the pits formed along the tracks.

8. A method of recording data on a recording medium, comprising:

recording data in pits formed along tracks in a control data area, wherein pits formed in some portions of the tracks are shifted from a track center to left and/or right to thereby form intermittent or alternate wobbled pits and wherein pits formed in other portions of the tracks of the control data area are substantially along the track center to thereby form straight pits.

9. An apparatus for reproducing data from a recording medium, said apparatus utilizing pits formed along tracks in a control data area, with data recorded therein, wherein pits formed in some portions of the tracks are shifted from a track center to left and/or right to thereby form intermittent or alternate wobbled pits and wherein pits formed in other portions of the tracks of the control data area are substantially along the track center to thereby form straight pits.

10. An apparatus for reproducing data according to claim 9, comprising:
a detector for converting signals reflected from the pits formed along the tracks of the recording medium into electric signals.

11. An apparatus for reproducing data according to claim 10, further comprising:

a signal processor for detecting information encoded in a deviation shape of the pits formed along the tracks of the recording medium and shifted from the track center to right and/or left from a low-frequency difference signal between left and right portions of the electric signals and for reproducing data recorded with modulation in the straight pits formed along tracks of main data area of the recording medium from high-frequency components of the electric signals based on the detected information.

12. The apparatus according to claim 11, wherein said signal processor processes and outputs the data recorded on the recording medium using the detected

data.

13. The apparatus according to claim 9, wherein arrays of said pits shifted from the track center are formed intermittently at more than two places.

14. The recording medium of claim 1, wherein the data includes copy protection information for controlling reproduction and/or recording of main data.

15. The method of claim 2, wherein the data includes copy protection information for controlling reproduction and/or recording of main data.

16. The method of claim 3, wherein the data includes copy protection information for controlling reproduction and/or recording of main data.

17. The method of claim 8, wherein the data includes copy protection information for controlling reproduction and/or recording of main data.

18. The apparatus of claim 9, wherein the data includes copy protection information for controlling reproduction and/or recording of main data.